Application No.: 10/510475 Goertz et al. Inventor: Amendment of March 22, 2006 Reply to Notice of Allowance Docket No.:

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

NDDQ LLP

Listing of Claims:

1. (original) A process for preparing polyoxymethylene by contacting a formaldehyde source with a catalyst of the formula I

$$\left[\mathbf{ML}_{a}^{1}\mathbf{L}_{b}^{2}\right]_{b}^{n+}\mathbf{Z}_{c\text{-m/n}}^{n-}\tag{I}$$

where

is a metal of group VIII; M

 L^1 is cyclooctadiene;

each L2 is independently tetrahydrofuran or a ligand which is displaceable by tetrahydrofuran;

is an anion; Z

is 1 or 2;

is an integer from 0 to 4;

is 1 or 2; and C

m and n are integers from 1 to 4.

- A process as claimed in claim 1 where M is Co, Rh, Ir, Ni, Pd or Pt. 2. (original)
- A process as claimed in claim 1 where L2 is selected from 3. (previously presented) tetrahydrofuran, nitriles, CO, alkenes, amines, ethers, carboxylic esters, carbonic esters, epoxides, hemiacetals, acetals and nitro compounds.
- A process as claimed in claim 3 where L2 is selected from acetonitrile, 4. (original) tetrahydrofuran and CO.
- A process as claimed in claim 1 where Z is a halide, sulfonate of 5. (previously presented) the formula OSO₂R, where R is alkyl, partially or fully halogenated alkyl or aryl, carboxylate,

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complexed borate, complexed phosphate, complexed arsenate or complexed antimonate, with the proviso that not all Z radicals are halide.

- 6. (original) A process as claimed in claim 5 wherein at least one Z radical is a perfluoroalkylsulfonate, tetrafluoroborate, hexafluorophosphate or hexafluoroantimonate.
- 7. (previously presented) A process as claimed in claim 1 where the catalyst is selected from [Pd(II)(cod)(THF)_x](SbF₆)₂ and [Pd(II)(cod)(CH₃CN)_x](PF₆)₂ where

cod is cyclooctadiene,

THF is tetrahydrofuran and

x is an integer from 1 to 3.

- 8. (previously presented) A process as claimed in claim 1 where the formaldehyde source is formaldehyde, trioxane or paraformaldehyde.
- 9. (currently amended) A process for preparing polyoxymethylene by contacting a formaldehyde source with a catalyst of the formula

[Ir(III)Cp*Cl₂Ir(III)Cp*Cl₃CF₃SO₃ [Ir(III)Cp*Cl₂Ir(III)Cp*Cl₃CSO₃

where

Cp* is pentamethyloyolopentadienyl.

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